



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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सं० 50] नई दिल्ली, शनिवार, दिसम्बर 19, 1981 (अग्रहायण 28, 1903)  
No. 50] NEW DELHI, SATURDAY, DECEMBER 19, 1981 (AGRAHAYANA 28, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 19th December 1981

#### CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated 14th February 1981, in page 92, column 2, under the heading "PATENT SEALED" line one, for "137246" read "147246".

In the Gazette of India Part III, Section 2 dated 13th June 1981, in page 324, column 1, before the paragraph beginning with 145212 and ending 147668 insert the word "PATENTS SEALED" and in its line one, for "147119" read "147219".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

12th November 1981

1250/Cal/81. John Wyeth & Brother Limited. Tablet dispenser. (November 14, 1980).

1251/Cal/81. Johns-Manville Corporation. Improved tubular plastics objects. (November 14, 1980).

1252/Cal/81. C. O. Schoen. Procedure and device for impregnating porous substances, especially carbon products, in the manufacture of carbon electrodes.

1253/Cal/81. Westinghouse Electric Corporation. Improvements in or relating to a single turret machine for fabricating high-intensity discharge arc tubes.

1254/Cal/81. Westinghouse Electric Corporation. Rotatable turret having a constant index time and a variable dwell time.

1255/Cal/81. Westinghouse Electric Corporation. Method and apparatus for press sealing an arc tube body section.

1256/Cal/81. Pont-A-Mousson S.A. Device for fixing a cover on a housing.

1257/Cal/81. Chloride Group Limited. Vent for electric storage battery.

1258/Cal/81. Chloride Group Limited. Electric storage batteries.

13th November 1981

1259/Cal/81. Hylsa, S.A. Rotary valve.

1260/Cal/81. A. H. Robins Company, Inc. Method of treating depression with 5-(Amino-Alkyl)-11-phenyl-5H-dibenzo (b,c) (1,4) diazepines.

1261/Cal/81. A. H. Robins Company, Inc. Phenyl substituted pyrido [1,4] benzodiazepines and intermediates therefor.

1262/Cal/81. Hitachi, Ltd. Method of operating water-turbine or pump water-turbine.

1263/Cal/81. Asahi Glass Company Limited. Alkali metal chloride electrolyzing cell.

16th November 1981

1264/Cal/81. F. Mannhart AG. Method and apparatus for removing yarn remnants from a bobbin.

1265/Cal/81. Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. A method for emergency stoppage of a polymerization reaction.

1266/Cal/81. Dr. C. Otto & COMP. GMBH. An ascension pipe on coke ovens.

- 1267/Cal/81. Dr. C. Otto & COMP. GMBH. Horizontal battery coke oven for the production of coke and gas.
- 1268/Cal/81. Metal Box Limited, Containers. (May 18, 1981).
- 1269/Cal/81. Massey-Ferguson Services N.V. Disc brake. (November 26, 1980).
- 1270/Cal/81. Kennedy Van Saun Corporation. Preheating method and apparatus.
- 1271/Cal/81. Solar Pump Corporation. A solar energy pumping device. [Divisional date November 16, 1977].
- 1272/Cal/81. Johnson & Johnson. Extrusion coating process.
- 1273/Cal/81. Indian School of Mines. Process for removing sulfur from coal.
- 1274/Cal/81. Sherritt Gordon Mines Limited. Selective recovery of nickel and cobalt or copper and zinc from solution. (February 25, 1977).

17th November 1981

- 1275/Cal/81. AGO Chemicals S.p.A. Additives for fracturing solutions and procedure for their preparation.
- 1276/Cal/81. American Can Company. Oxygen scavenger.
- 1277/Cal/81. F. L. Smidth & Co. A/S. Method and apparatus for thermally treating pulverulent material. (November 17, 1980).
- 1278/Cal/81. F. L. Smidth & Co. A/S. Method and apparatus for thermally treating pulverulent material. (November 17, 1980).
- 1279/Cal/81. F. L. Smidth & Co. A/S. Cement burning plant. (November 17, 1980).
- 1280/Cal/81. Fimco (Great Britain) Limited. A coupling mechanism. (November 17, 1980 (February 6, 1981)).

18th November 1981

- 1281/Cal/81. Unic Van Kunststestfabrieken B.V. Process for the removal of urea, ammonia and carbon dioxide from dilute aqueous solutions.
- 1282/Cal/81. The Pittsburg & Midway Coal Mining Company. Thermally efficient coal liquefaction-gasification process for production of solvent refined coal.
- 1283/Cal/81. Haldor Topsoe A/S. A process for the preparation of hydrogen-containing gases.
- 1284/Cal/81. Marley Company. Water cooling tower having combination splash and film fill structure.
- 1285/Cal/81. The Air Preheater Company, Inc. Cast iron recuperator.

**APPLICATIONS FOR PATENT FILED AT PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-5.**

1st October 1981

- 633/Del/81. Anil Oberoi, "A Packaging Machine."
- 634/Del/81. The Dover Engineering Works Limited, "Manufacturing Manhole Cover Frames" (October 27, 1980).
- 635/Del/81. Imperial Chemical Industries PLC, "Ammonia Production Process" (October 14, 1980).

3rd October 1981

- 636/Del/81. Prithvi Pal Singh, "Process of Manufacture of Wooden Combs."
- 637/Del/81. Joginder Malhotra, "Improved Pressure Cooker."
- 638/Del/81. Straw Box Systems Limited, "Method for making objects from Straw and other raw fibrous materials."

5th October 1981

- 639/Del/81. Narendra Kumar Gupta, "A type of pot or container to be used in Nurseries for growing plants and raising seedlings".

- 640/Del/81. Alsthom-Atlantique, "A Current Transformer."

6th October 1981

- 641/Del/81. Indian Institute of Technology, "A Video Display Terminal."
- 642/Del/81. Satish Kapoor, "A Locking Device for use with a Telephone."
- 643/Del/81. Raydex International Limited, "Lamination of Plastics." (October 10, 1980).
- 644/Del/81. W & A Bates Limited, "Reinforced Structures." (October 16, 1980).
- 645/Del/81. W & A Bates Limited, "Reinforced Structures." (October 16, 1980).
- 646/Del/81. W & A Bates Limited, "Reinforced Structures." (October 16, 1980).
- 647/Del/81. Bio-Systems Research, INC., "Anti Viral, Anti Bacterial and/or Anti Fungal Composition containing metal Oxyalkylate."
- 648/Del/81. Bio-Systems Research, INC., "Metal Oxyalkylates and method of making same."

12th October 1981

- 649/Del/81. Mohd. Hanif, "New Diamond Marble Sawing Machine."
- 650/Del/81. Jai Krishan Sehra, "A Lead Acid Battery."
- 651/Del/81. Ashok Kumar Jain, "A Switching Device".
- 652/Del/81. Prem Dutta Grover, "Bio-Mass Charcoaling Plant".
- 653/Del/81. Schering Aktiengesellschaft, "Preparations for Defoliating and/or Regulating the growth of Plants and their use".
- 654/Del/81. Duracell International INC., "Efficiently Rechargeable Totally Inorganic Non-Aqueous Li/SO Cell with LiGaC14 Electrolyte Salt."
- 655/Del/81. Duracell International INC., "Improved Non-Aqueous Cell Safety."
- 656/Del/81. The British Petroleum Company Limited, "Upgrading Gasoline Derived from Synthesis Gas." (October 17, 1980).
- 657/Del/81. Societe Generale Des Eaux Minerales De Vittel, "Process for the Manufacture for a Natural Sweet Beverage of Low Alcohol Content."
- 658/Del/81. USS Engineers and Consultants, INC., "Chlorination of Wastewater."
- 659/Del/81. Ashland Oil INC., "Energy Efficient Process for the Production of Carbon Black."

13th October 1981

- 660/Del/81. Jiwan Goyal, "An Improved machine for making foodstuffs".
- 661/Del/81. Clesid S.A., "Chargeover device for an installation for recovery of the gases and fumes proceeding from a converter."
- 662/Del/81. Creusot-Loire, "Apparatus for Advancing Elongate Objects around a Curve."
- 663/Del/81. Brush Switchgear Limited, "Electrical Switchgear." (January 24, 1981).
- 664/Del/81. Bicc Limited, "Manufacture of a Flexible Stranded Body." (October 18, 1980).

14th October 1981

- 665/Del/81. Prem Dutta Grover, "A Process of Producing Briquetted Fuel from Agricultural Forestry Waste".
- 666/Del/81. Council of Scientific & Industrial Research, "An Improved Process for the Desulfurisation of Ferrous Melts in the Iron and Steel Industry".
- 667/Del/81. Council of Scientific & Industrial Research, "A continuous process for the production of carnallite from sea or sub-soil bitters by solar evaporation."

668/Del/81. Council of Scientific & Industrial Research, "A process for the preparation of polyamides."

669/Del/81. Council of Scientific & Industrial Research, "A process for the preparation of Precipitated Calcium Carbonate from Carbide Lime Sludge."

15th October 1981

670/Del/81. Bharat Heavy Electricals Limited, "Process for the preparation of Non-Halogenated Capacitor Impregnants and Capacitors Impregnated with Non-Halogenated Impregnants". [Divisional date: June 3, 1978].

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH TODI ESTATES III FLOOR, LOWER PAREL (WEST) BOMBAY-400 013.

24th October 1981

300/Bom/1981. Bhavana Chemicals Limited. A process for the manufacture of a new L-menthol precursor.

301/Bom/1981. Bhavana Chemicals Limited. A process for the manufacture of a new L-menthol precursor.

26th October 1981

302/Bom/1981. Dilip Hiralal Thakkar and another. Infa feeder.

303/Bom/1981. Hoechst Pharmaceuticals Ltd. A process for the preparation of novel chemotherapeutic bisamide derivatives of 3,3'-dinitrophenyl and pharmaceutically acceptable salts thereof.

30th October 1981

304/Bom/1981. Sudhir Malhotra. Hot pot for immediate supply of hot water.

305/Bom/1981. Satya Prakash Verma. Generator/Engine powered by gravitational force capable to generate electrical power directly without being coupled to any other machine and also to provide driving force for vehicles.

31st October 1981

306/Bom/1981. Gangadhar Vaman Pendse and another. "Self acting mechanical warp let-off device" for power loom.

2nd November 1981

307/Bom/1981. Priya Ranjan Sarkar. Improvement indoor latch.

#### ALTERATION OF DATE

149467. } Ante-dated 14th February, 1977.  
1352/Cal/78.

149472. } Ante-dated 28th November, 1977.  
1194/Cal/79.

149473. } Ante-dated 13th April, 1978.  
635/Del/79.

149474. } te-dated 13th April, 1978.  
636/Del/79. An

149475. } Ante-dated 13th April, 1978.  
637/Del/79.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month

applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS : 107E&G.

149459.

Int. Cl. F01n 7/00.

IMPROVEMENTS IN OR RELATING TO AN APPARATUS FOR REDUCING PRESSURE OSCILLATIONS IN A STREAM OF EXHAUST GASES FROM AN INTERNAL COMBUSTION ENGINE.

Applicants : SOCIETE D'ETUDES DE MACHINE THERMIQUES S.E.M.T., OF 2, QUAI DE SEINE-93202 SAINT-DENIS, FRANCE.

Inventor : REMI CURTIL.

Application No. 43/Del/78, filed on January 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

21 Claims.

Apparatus for reducing pressure oscillations in a stream of exhaust gases from an internal combustion engine, the engine having a multiplicity of cylinders arranged in each of at least one bank of cylinders, a piston in each cylinder, an exhaust port leading from each cylinder, an exhaust valve in each exhaust port, means for opening each exhaust valve during the expansion stroke of the corresponding piston and for closing the exhaust valve after the piston reaches bottom dead centre, an exhaust manifold extending alongside the bank of cylinders, the manifold having an outlet end, a connecting pipe having an inlet end connected to the exhaust port of each cylinder and an outlet end connected to the manifold, and a supercharger turbine connected to the outlet end of the manifold, characterized in that the ratio of the cross-sectional flow area at the outlet end of each connecting pipe to the flow area at the inlet end being in the range from 0.3 to 0.8 and the manifold pipe having a flow area which is less than the cross-sectional area of each cylinder bore by a ratio in the range from 0.3 to 0.75.

Comp. Specn. 31 Pages.

Drgs. 10 Sheets.

CLASS : 32B<sub>2</sub>b & 55E<sub>a</sub>.

149460.

Int. Cl. C07d 27/56.

PROCESS FOR THE PRODUCTION OF A MIXTURE OF TRANS-5-ARYL-2, 3, 4, 4a 5, 9b-HEXAHYDRO-1H-PYRIDO [4, 3-b] INDOLES.

Applicants : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

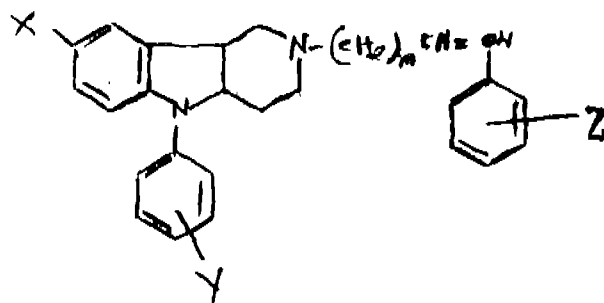
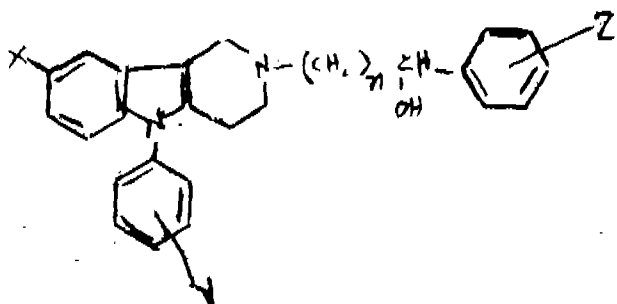
Inventor : WILLARD MCKOWAN WELCH, JR.

Application No. 269/Del/78, filed April 13, 1978.

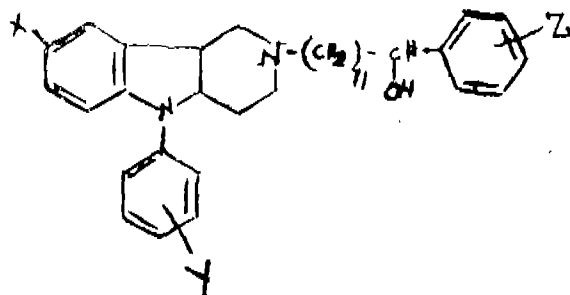
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 6 Claims.

A process for preparing a mixture of hexahydro- $\gamma$ -carboline compounds of the formulae VI and VII



shown in the accompanying drawings and the pharmaceutically acceptable salts thereof, wherein the hydrogens attached to the carbon atoms in the 4a and 9b positions are in a *trans*-relationship to each other: X and Y are the same or different and are each hydrogen or fluoro; n is 3 or 4; m is 2 or 3 and Z is hydrogen, fluoro or methoxy; characterized by reacting a tetrahydro- $\alpha$ -carboline of the formula V.



of the drawings where X, Y, Z and n are as defined above with borane in a reaction-inert organic solvent as herein described and subsequent treatment with acid as herein described, both the reaction steps being carried out at a temperature of 10°C to 80°C and if desired converting the mixture so obtained by known methods to the pharmaceutically acceptable salts thereof.

Comp. Specn. 23 Pages.

Drgs. 3 Sheets.

CLASS : 61B.

149461.

Int. Cl. F26b 17/00, 13/00.

APPARATUS FOR DRYING FLAT ARTICLES OF POROUS MATERIAL UNDER VACUUM.

*Applicants* : PATPAN INC., C/O ICAZA, GONZALEZ, RUIZ & ALEMAN, CALLE AQUILINO DE LA GUARDIA NO. 8, PANAMA CITY, PANAMA.

*Inventor* : JEAN-PIERRE DUBOURG.

Application No. 60/Cal/78, filed January 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

Apparatus for drying flat articles of porous material under vacuum, comprising a surface serving for support of at least one article to be dried, heating means disposed on the opposite side of the said support surface, at least one cover means comprising a flexible, but non-extensible, fluid-tight diaphragm, provided, on its side facing the support surface, with a cushion layer of porous material and provided on its periphery with a fluid-tight seal intended to be applied to the support surface, the said cover means serving to enclose at least one article to be dried spread on the corresponding portion of the support surface in a hermetically-sealed space and means for enabling the connection of the said hermetically sealed space to a vacuum source, wherein the support surface has the form of a cylinder and is so mounted for rotation about its axis, and wherein the cover diaphragm is adapted to the heated cylindrical support surface.

Comp. Specn. 27 Pages.

Drgs. 8 Sheets.

CLASS : 4A.

149461.

Int. Cl. B64c 25/02.

WING MOUNTED RETRACTABLE AIRCRAFT UNDERCARRIAGE.

*Applicants* : MESSIER-HISPANO-BUGATTI, OF 5, RUE LOUIS LEJEUNE, 92120 MONTROUGE, FRANCE.

*Inventor* : JEAN MASCLÉ.

Application No. 629/Cal/78, filed June 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A wing mounted retractable aircraft undercarriage with a trailing wheel comprising a rigid leg casing, pivotally mounted on the wing about a retraction axis, a rocking lever pivoted on said leg casing, supporting said wheel and mounting the lower pivot connection of a shock absorber located behind said leg casing characterised in the provision of an upper pivot connection of said shock absorber to a lever, said lever being pivotable on said leg casing about an articulation axis which articulation axis is distinct from said retraction axis, a rod of fixed length pivoted at one end to said lever and at the other end to a fixed position on the wing, so that upon retraction of said undercarriage by the action of a retraction jack, said rod causes rotation of said lever with respect to said leg casing, which rotation, by traction of the expanded said shock absorber causes pivoting, with respect to said leg casing, of said rocking lever mounting said wheel towards said retraction axis, and thus an overall shortening of said undercarriage.

Comp. Specn. 14 Pages.

Drgs. 5 Sheets.

CLASS : 112F.

149463.

Int. Cl. F21v 7/09.

LAMP REFLECTOR FOR A MOTOR VEHICLE.

*Applicants* : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2XP, ENGLAND.

*Inventor* : GEOFFREY ROLAND DRAPER.

Application No. 667/Cal/78 filed June 16, 1978.

Convention date June 17, 1977/(25424/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A lamp reflector for a motor vehicle comprising a dish body having a non-circular front opening through which, in use, light from the reflector passes, a rear opening for receiving a light source, and a dish reflective surface within the body, said dish reflective surface including (a) a pair of first reflective portions disposed respectively on opposite sides of the rear opening but spaced outwardly therefrom, (b) a pair of second reflective portions disposed between the respective first reflective portions and the rear opening, each of

said first reflective portions extending laterally of the lamp reflector continuously from the respective second reflective portion to an outer edge of said dish reflective surface, and (c) a third reflective portion disposed above the rear opening and between the first reflective portions, said third reflective portion extending from the rear opening to said outer edge of said dish reflective surface, and each of said second and third reflective portions having a focal length which is less than that of each of the first reflective portions.

Comp. Specn. 13 Pages.

Drgs. 2 Sheets.

CLASS : 185B<sub>3</sub> & 206E.

149464.

Int. Cl. H04I 1/00.

DEVICE FOR MONITORING THE RECEIVED PULSES OF A PULS CODE MODULATED DATA TRANSMISSION.

*Applicants* : PATELHOLD PATENTVERWERTUNGS- & ELEKTRO-HOLDING AG., OF GLARUS, SWITZERLAND, A SWISS COMPANY.

*Inventor* : GERHARD FUNK.

Application No. 708/Cal/78 filed June 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A device for monitoring the received pulses of a pulse code modulated data transmission, characterised in that a synchronising circuit (SYNC) is provided in the receiver which synthesises the desired-pulse pattern from the arriving message, that this synchronising circuit (SYNC) subdivides a locally generated fast clock signal (C), taking into account the phases of the arriving pulse edges of distorted incoming telegram pulses (T), that the transfer of the received telegram (T) to a series/parallel register (SPR) is controlled by a transfer clock signal derived from the said subdivision, that the synchronising circuit (SYNC) furthermore selects, via 2 distortion-zone selectors (VBS), the first time zone (A) extending round the theoretical instants of the pulse edges, that the start and the end of the selected time zone are determined by the signals ( $a_1, a_2$ ) supplied by the selectors (VBS) said signals controlling a first flipflop (FF1), that upon the arrival of at least one pulse edge derived during time zone (A) from an edge detector circuit (FF4, FF5, G1) a further flipflop (FF3) is set during the second time zone (A) which is given by the corresponding state (A) of the first flipflop (FF1), the said third flipflop marking the error recognition (E), that upon the arrival of at least one pulse edge during the first zone (A) first of all an auxiliary flipflop (FF2) is set (H) by means of the edge detector circuit (FF4, FF5, G1), that upon arrival of at least one further pulse edge during the same time zone (A) the error recognition stage (FF3, E) is likewise set via a gate (G2), that the auxiliary flipflop (FF2) during the second time zone (A) is reset by means of the first flipflop (FF1) and that a telegram end signal (TE) derived from the synchronising circuit (SYNC) sets a stage (B) "parallel message read-out on stand by" and, in addition, sets an error signal stage (F) and resets the further flipflop (FF3), if an error (E) has been recognised during the serial reception.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS : 32F-2(b).

149465.

Int. Cl. C07d 27/38, 27/56.

METHOD OF PRODUCING 2, 3, 3-TRIMETHYLINDOLENINE.

*Applicants* : CHISSO CORPORATION, OF 6-32 NAKA-NOSHIMA 3- CHOME, KITAKU, OSAKA, JAPAN.

*Inventors* : NOBUMASA OHTAKE, RYO YOSHIZAWA AND ISAO KOGA.

Application No. 789/Cal/78 filed July 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A method for producing 2, 3, 3-trimethylindolenine which comprises mixing aniline with 3- chloro -3 methylbutane-2-one in a mixing ratio by mol of 3 : 1-10 : 1; reacting the

resulting mixture at a temperature of 50—150°C for 2—20 hours; thereafter raising the temperature of the reaction liquid to reflux temperature and maintaining the liquid at said reflux temperature of aniline for 0.5 -2 hours to complete the reaction.

Comp. Specn. 9 Pages.

Drgs. Nil.

CLASS : 127 & 127I.

149466.

Int. Cl. F 16I 15/06.

GASKET ASSEMBLY.

*Applicants* : DANA CORPORATION, OF 4500 DORR STREET, TOLEDO, OHIO, UNITED STATES OF AMERICA.

*Inventor* : JEROME GEORGE BELTER.

Application No. 806/Cal/78 filed July 22, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A gasket assembly having a gasket defining an aperture, said gasket aperture having an axis extending therethrough, and a gasket attachment comprising a base having a portion for engagement with one side of said gasket adjacent said gasket aperture, and a lock plate having a portion movable relative to said base from a first position radially within said gasket aperture to a second position for engagement with another side of said gasket adjacent said gasket aperture.

Comp. Specn. 17 Pages.

Drg. 1 Sheet.

CLASS : 35C.

149467.

Int. Cl. C04b 7/12.

A METHOD FOR PRODUCING A DURABLE MASS FOR SUPPORTING SURFACING.

*Applicants* : NICHOLSON REALTY LTD., OF 5800 MONROE STREET, BUILDING F, SYLVANIA, STATE OF OHIO 43560, UNITED STATES OF AMERICA.

*Inventors* : JOHN PATRICK NICHOLSON.

Application No. 1852/Cal/1978 filed December 19, 1978.

Division of Application No. 203/Cal/77 filed February 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A method for producing a durable mass for supporting surfacing which comprises mixing cement kiln dust, fly ash and water and permitting the mixture to react at ambient temperatures to produce a durable mass for supporting surfacing, wherein the cement kiln dust comprises from about 12% to about 72.7% by dry weight of the total of cement kiln dust and fly ash and the fly ash comprises from about 88% to about 27.3% by dry weight of the total of cement kiln dust and fly ash.

Comp. Specn. 14 Pages.

Drgs. 2 Sheets.

CLASS : 32F<sub>2</sub> a&c

149468

32F<sub>1</sub>

55D<sub>2</sub>

Int. Cl. A 01 n 9/00, C 07 c 155/00.

PROCESS FOR THE PREPARATION OF THIOCARBAMATE UTILIZING QUATERNARY AMMONIUM SALT CATALYSTS.

*Applicants* : STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT, 06880, UNITED STATES OF AMERICA.

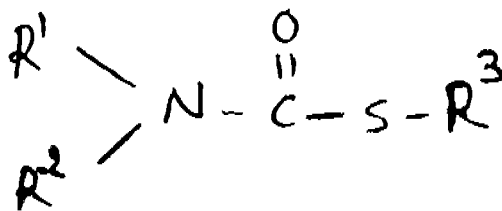
Inventors : HARRY TILLES AND PAUL EDWIN HOCH.

Application No. 258/Cal/79 filed March 16, 1979.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

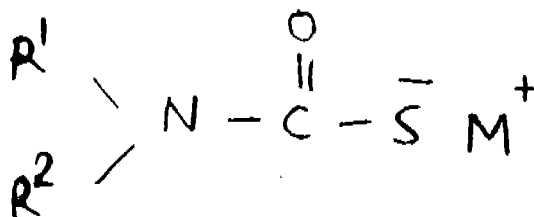
10 Claims.

A process for the manufacture of a thiocarbamate of the formula as shown in Fig. 1.



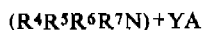
of the drawings in which  $R^1$  and  $R^2$  are independently selected from the group consisting of the following substituted or unsubstituted groups :  $C_1$ - $C_{12}$  alkyl,  $C_2$ - $C_8$  alkenyl,  $C_3$ - $C_6$  alkynyl, phenyl,  $C_7$ - $C_{10}$  phenyl-alkyl,  $C_3$ - $C_7$  cycloalkyl,  $C_5$ - $C_7$  cycloalkenyl,  $C_2$ - $C_8$  alkoxyalkyl,  $C_2$ - $C_8$  alkylthioalkyl,  $C_3$ - $C_8$  alkoxyalkenyl, and  $C_2$ - $C_8$  alkylthioalkenyl; wherein the substituents are independently selected from the group consisting of halo, cyano, nitro, trifluoromethyl,  $C_1$ - $C_4$  alkyl, and  $C_1$ - $C_4$  alkoxy, or  $R^1$  and  $R^2$  together with the nitrogen atom to which they are bound form a member selected from the group consisting of pyrrol, pyridyl, and  $C_2$ - $C_6$  polyalkylenimine; and  $R^3$  is selected from the group consisting of the following substituted or unsubstituted groups :  $C_1$ - $C_{12}$  alkyl,  $C_2$ - $C_8$  alkynyl,  $C_3$ - $C_6$  alkynyl, phenyl,  $C_7$ - $C_{10}$  phenylalkyl,  $C_3$ - $C_7$  cycloalkyl,  $C_5$ - $C_7$  cycloalkenyl,  $C_2$ - $C_8$  alkoxyalkyl,  $C_2$ - $C_8$  alkylthioalkyl,  $C_3$ - $C_8$  alkoxyalkenyl, and  $C_3$ - $C_8$  alkylthioalkenyl; wherein the substituents are independently selected from the group consisting of halo, cyano, nitro, trifluoromethyl,  $C_1$ - $C_4$  alkyl, and  $C_1$ - $C_4$  alkoxy which comprises.

(a) reacting an aqueous solution of a thiocarbamate salt of the formula as shown in Fig. 2.



in which  $R^1$  and  $R^2$  are as defined above and  $M$  is an alkali or alkaline earth metal ion, with an organic halide of the formula  $R^3X$

in which  $R^3$  is as defined above and  $X$  is chlorine or bromine, in the presence of a catalytic amount of a quaternary ammonium salt having the formula



in which  $R^4$  and  $R^5$  are independently selected from the group consisting of  $C_1$ - $C_{25}$  alkyl and  $C_2$ - $C_{25}$  alkenyl,  $R^6$  and  $R^7$  are independently selected from the group consisting of  $C_6$ - $C_{25}$  alkyl and  $C_6$ - $C_{25}$  alkenyl, and  $Y^-$  is an anion selected from the group consisting of chloride and bromide; and

(b) separating said thiocarbamate from said aqueous solution.

Comp. Specn. 16 Pages.

Drg. 1 Sheet.

CLASS : 181 & 195B & D.

149469.

Int. Cl. F16j 15/16.

ADJUSTABLE FLUID TIGHT PACKING ASSEMBLY FOR SLIDE VALVE CONTROL MEMBER.

Applicant & Inventor : ANDREAS JAUDT, OF SCHON-GAUERSTRASSE 10 C D-8900 AUGSBURG, WEST GERMANY.

Application No. 277/Cal/78 filed March 15, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An adjustable packing assembly for providing a fluid-tight sliding connection with a flat, slide-valve control member in which said assembly comprises : a hollow elongated housing having a pair of through slots extending transversely along opposite side walls of said housing with said through-slots being of a size sufficient to allow said control member to pass therethrough; a plurality of packing members positioned within said housing and surrounding all the sides of the said control member, with at least one packing member being in adjustable abutting contact with each surface of said control member; stationery stepped wedging means positioned within said housing in longitudinally opposed relationship for providing adjustable pressure against those packing members contacting the side surfaces of said control member; moving stepped wedging means positioned within said housing and in sliding contact with said stationery wedge means; and means comprising adjustable elements located at both longitudinal ends of said housing being responsive to selective movement of said movable wedging means for adjusting the bearing pressure between said packing members and said control member, with said responsive means applying a uniform bearing pressure against the entire surface of said packing members.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS : 35C.

149470.

Int. Cl. C04b 13/00, 17/00, 19/00.

PROCESS FOR MANUFACTURING CONCRETE OF HIGH CORROSION RESISTANCE.

Applicant : AKSJESLSKAPET NORCEM, OF HAAKON VII'S GATE 2, OSLO 1, NORWAY.

Inventors : PAUL HENRIK OISTAD AND OLAV KJOHL.

Application No. 491/Del/78 filed June 30, 1978.

Convention date July 4, 1977/(281, 939/77) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

Method of manufacturing concrete having high resistance to corrosion, using cement, sand, water, reactive silica and conventional concrete additives, characterised in that a concrete mixture is made using cement having a low content of aluminate ( $C_3A$ ), preferably less than 5 weight per cent of aluminate based on the weight of the cement, and that at least 10 weight per cent of finely divided, reactive silica based on the cement is incorporated and distributed uniformly throughout the concrete mixture.

Comp. Specn. 15 Pages.

Drgs. Nil.

CLASS : 127C & I.

149471.

Int. Cl. B21d 43/00, 43/02.

TRANSPORT INSTALLATION FOR CAN BODIES FOR A FULLY AUTOMATED RESISTANCE WELDING MACHINE.

Applicant & Inventor : PAUL OPPRECHT, OF IM. HINTEREN BERNOLD, 8962, BERGDISTIKON/SWITZERLAND.

Application No. 533/Cal/78 filed May 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A transport installation for can bodies for a fully automated resistance welding machine, comprising : means defining a roll former station for rolling blanks into can bodies moving in a predetermined direction of travel; means defining a welding station including a pair of welding electrode

rolls arranged downstream with regard to the direction of travel of the can bodies for welding the rolled can bodies; two successively arranged synchronously driven transport systems defining first and second transport systems; each of said transport systems comprising at least one endless revolving chain equipped with entrainment members for the can bodies and defining first and second chains; means mounting said first chain so as to pass through the roll former station, where during rolling of the blanks into the can bodies, it cyclically and periodically remains at least stationary; said second chain having a substantially sinusoidal velocity course, so that the intermittent non-continuous mode of operation of the first chain, necessitated by the roll forming operation, is transferred to the second chain in the form of a sinusoidal movement which is stabilizing for the bodies and having minimum velocity and changes in velocity.

Comp. Specn. 15 Pages.

Drgs. 7 Sheets.

CLASS : 32F, & 55D<sub>2</sub>.

149472.

Int. Cl C07c 69/00.

A PROCESS FOR THE PREPARATION OF SUBSTITUTED PHENYL ACETIC ACID.

*Applicant* : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

*Inventors* : GERALD BERKELHAMMER AND VENKATARAMAN KAMESWARAN.

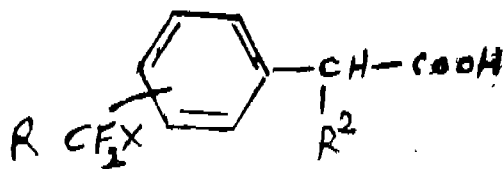
Application No. 1194/Cal/79 filed November 17, 1979.

Division of Application No. 1654/Cal/77 filed November 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the preparation of a compound of the general formula IIA.



in which R is F, CHF<sub>2</sub> or CH<sub>3</sub>, R<sub>2</sub> is ethyl, n-propyl or isopropyl and X is O, S, SO, or SO<sub>2</sub> which comprises the steps of halogenating with a Halogenating agent the appropriate meta or para-RCF<sub>2</sub>X-substituted toluene in a conventional manner, converting the resulting benzyl halide by reacting with an alkali metal cyanide to obtain the corresponding benzyl cyanide, (Phenylacetonitrile) reacting in presence of a base like NaOH, the resulting benzyl cyanide with the appropriate R<sub>2</sub>-alkylating agent to obtain the corresponding alkylated nitrile followed by hydrolyzing using a hydrolyzing agent, like alkali metal hydroxid, the resulting alkylated nitrile in a conventional manner to the respective acid.

Comp. Specn. 10 Pages.

Drg. 2 Sheets.

CLASS 32F<sub>2</sub>b & 55E<sub>4</sub>.

149473.

Int. Cl. C07d 27/56, A61k 27/00.

PROCESS FOR PREPARING HEXAHYDRO-γ-CARBO-LINES.

*Applicant* : PFIZER INC. OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

*Inventor* : WILLARD MCKOWAN WELCH, JR.

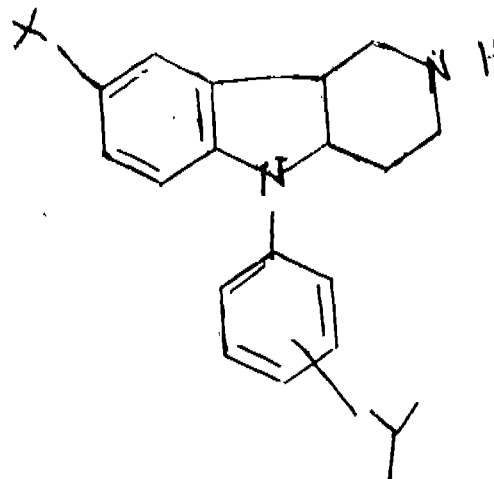
Application No. 635/Del/79 filed September 11, 1979.

Division of Application No. 269/Del/78 filed April 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

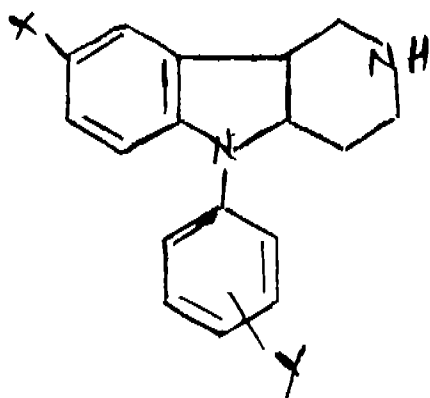
2 Claims.

A process for preparing a 4a, 9b-trans-hexahydro-γ-carboline compound of the formula VI.

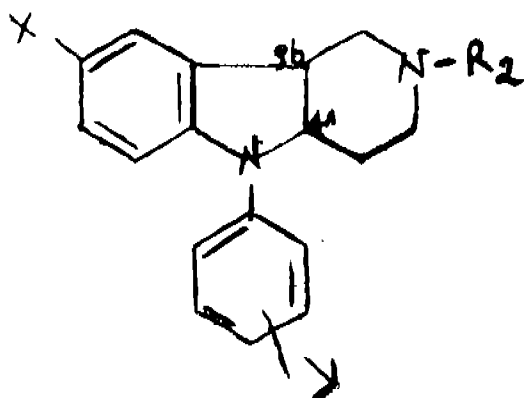


## 6 Claims.

A process for preparing a 4a, 9b-trans-hexahydro- $\gamma$ -carboline compound of the formula VIII



wherein X and Y are the same or different and are each hydrogen or fluoro; characterized by reacting a 4a, 9b-trans-hexahydro- $\gamma$ -carboline compound of the formula VI.



wherein X and Y are as previously defined and R2 is benzyl, benzhydryl,  $Z-C_6H_4CH(CH_2)_n$ - or benzyl substituted by a

member selected from the group

consisting of methyl methoxy, nitro and phenyl; Z is hydrogen, fluoro or methoxy and n is 3 or 4 with a molar excess of a C1-C4 lower alkyl chloroformate ester in the presence of a reaction-inert organic solvent followed by alkaline hydrolysis.

Comp. Specn. 14 Pages.

Drg 3 Sheets.

CLASS : 32F<sub>2</sub>b & 55F<sub>4</sub>.

149474.

Int. Cl. C07d 27/56, A61k 27/00.

PROCESS FOR PREPARING HEXAHYDRO- $\gamma$ -CARBOLINES.

Applicant : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : WILLARD MCKOWAN WELCH, JR.

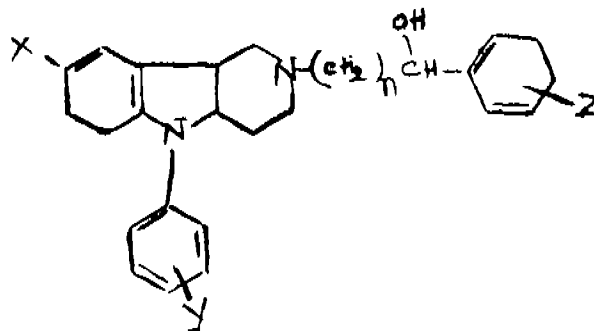
Application No. 637/Del/79 filed September 11, 1979.

Division of Application No. 269/Del/78 filed April 13, 1978.

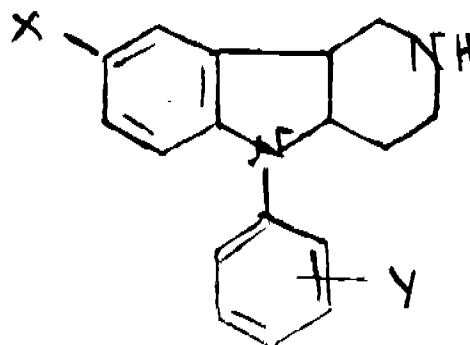
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 7 Claims.

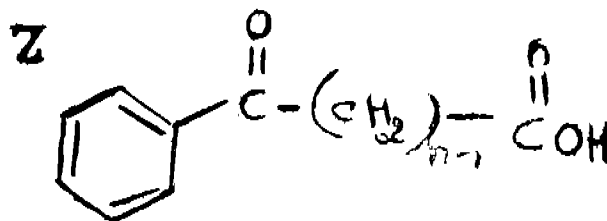
A process for preparing a hexahydro- $\gamma$ -carboline compound of the formula VII.



and the pharmaceutically acceptable salts thereof wherein the hydrogens attached to the carbon atoms in the 4a and 9b positions are in a *trans*-relationship to each other; X and Y are the same or different and are each hydrogen or fluoro; n is 3 or 4; and Z is hydrogen, fluoro or methoxy; characterized by acylation at a temperature of -10°C to 50°C of a 4a, 9b-trans-hexahydro- $\gamma$ -carboline free base of the formula V. with a carboxylic acid of the formula VI.



or an acid chloride or acid bromide thereof to produce a 4a, 9b-trans hexahydro-carboline compound of the formula VII



of the drawings wherein X, Y, Z and n are as defined above, and subsequently reducing this with lithium aluminum hydride in the presence of a reaction-inert solvent.

Comp. Specn. 20 Pages.

Drg 3 Sheets.

CLASS : 32F<sub>4</sub>; 32F<sub>2</sub>b 55D.

149476.

Int. Cl. C07d 51/00.

"PROCESS FOR THE PREPARATION OF 2-(or 4-) AMINO-5-ALKYLTHIO-PYRIMIDINES HERBICIDES AND ACYL DERIVATIVES."

Applicants : PRODUITS CHIMIQUES UGINE KUHL-MANN, A FRENCH COMPANY, OF 25 BOULEVARD DE L'AMIRAL BRUIX, 75116 PARIS, FRANCE.

Inventors : DANIEL BALDF & GERARD BOUTEMY.

Application No. 632/Del/78 filed August 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Municipal Market, Saraswati Marg, Karol Bagh, New Delhi-110005.



## 4 Claims.

A process for the preparation of 2-(or 4-) amino-5-alkylthio-pyrimidine herbicides of the formula shown in the accompanying drawings in which  $R_1$  is an alkyl group having 1 to 5 carbon atoms, one of the substituents  $X_1, X_2, X_3$  is a chlorine or bromine atom, and the two others are respectively the groups of the formula shown in Fig. 1 and Fig. 2 in which  $R_4$  and  $R_5$  are, independently of one another, hydrogen atoms or alkyl groups containing 1 to 5 carbon atoms, cycloalkyl, aryl, substituted aryl or -C-R groups, R being a hydrogen atom or an alkyl group having 1 to 5 carbon atoms, or form together with the nitrogen atom to which they are linked a nitrogenous heterocyclic radical other than the piperazino and substituted piperazino radicals,  $R_4$  and  $R_5$  are, independently of one another, hydrogen atoms or alkyl groups having 1 to 5 carbon atoms, cycloalkyl, aryl, substituted aryl or -C-R groups, R being as defined above or aryl or -C-R groups

R being as defined above, or form together with the nitrogen atom to which they are linked a nitrogenous heterocyclic

radical other than the piperazino and substituted piperazino radicals, one at least of the groups of the formula shown in Fig. 1 and Fig. 2 being an NH or a group of the formula shown in Fig. 3 and their salts with minerals of organic acids, said process comprising condensing a 2, 4, 6-trihalo-5-alkylthio-pyrimidine of the formula II in which X is a chlorine or bromine atom and  $R_1$  is an alkyl group having 1 to 5 carbon atoms with a compound of the formula III in which  $R_4$  and  $R_5$  have the same meanings as given above except that they do not represent an -C-R group, condensing 4, 6 (or 2,6)-



dihalo-5-alkylthio-pyrimidine thus obtained with a compound of the formula V in which  $R_4$  and  $R_5$  have the same significance as given above except that they do not represent a -C-R group, one at least of the compounds of the formulae



III and V being ammonia, if desired acylating by known methods the compound so obtained.

Comp. Specn. 33 Pages.

Drgs. 2 Sheets.

Fig. 1

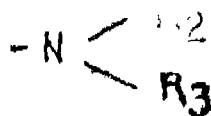


Fig. 2

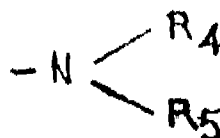


Fig. 3

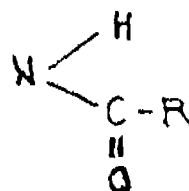


Diagram 1

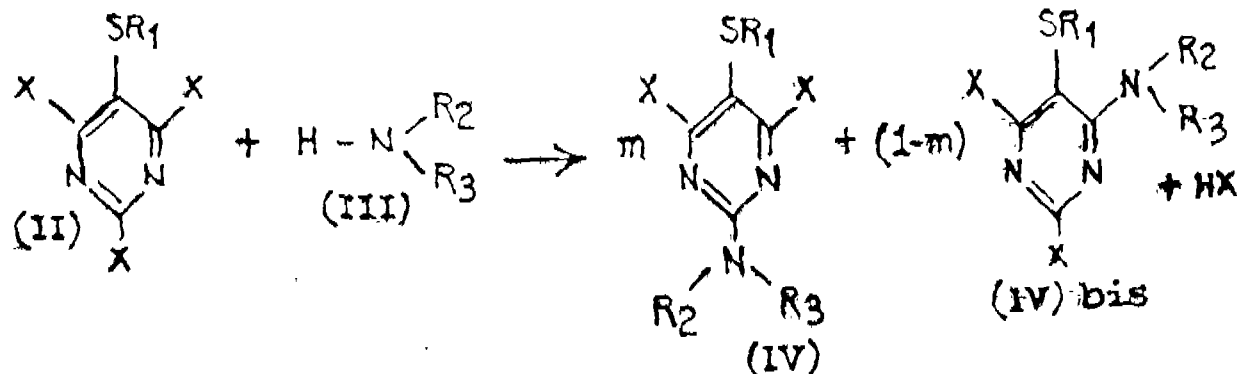
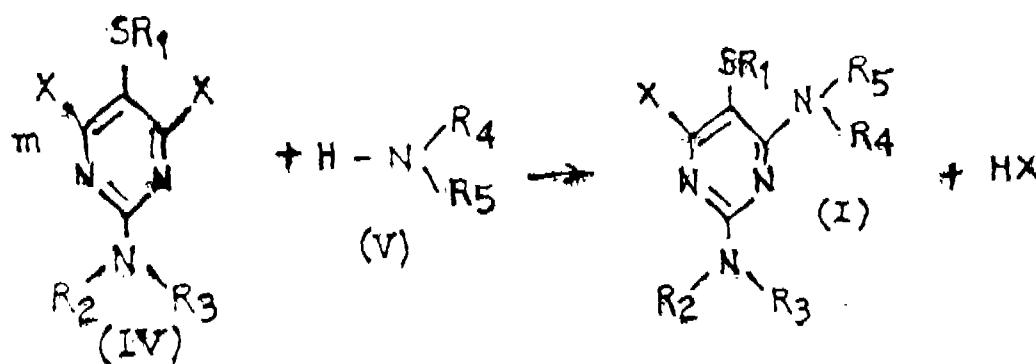


Diagram 2



CLASS : 164C &amp; 201C

149477.

Int. Cl. C02c 5/00.

A PROCESS FOR DETOXIFICATION OF FORMALDEHYDE IN A FORMALDEHYDE-BEARING EFFLUENT BY CONVERTING IT TO NON-TOXIC FORMOSE.

*Applicant* : ION EXCHANGE (INDIA) LIMITED, OF TIECICON HOUSE, DR. E. MOSES ROAD, BOMBAY-400 091, MAHARASHTRA, INDIA.

*Inventor* : SUNIL KUMAR BHATTACHARJYA

Application No. 113/Bom/78 filed April 19, 1978.

Complete after provisional filed on July 17, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

7 Claims.

A process for detoxification of formaldehyde in a formaldehyde bearing effluent by converting it to non-toxic formose comprising in sequence the steps of adding to the said effluent time so that PH of the effluent rises above 9, raising the temperature of the effluent to 70 to 100°C. and maintaining the effluent at the same temperature for 15 minutes to 1 hour.

Provisional specn. 5 Pages.

Drg. Nil.

Comp. Specn. 6 Pages.

Drg. Nil.

CLASS 128G.

149478.

Int. Cl. A61f 5/00.

"A BELT FOR RESTRAINING MOVEMENT".

*Applicant* : MAYOOR CHINUBHAI GANDHI, SHREYAS, 2ND FLOOR, NARIMAN POINT, BOMBAY-400020, MAHARASHTRA, INDIA.

Application No. 62/BOM/79 filed February 27, 1979.

Appropriate office for opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

2 Claims.

A belt for immobilising one or a pair of limbs of a patient, the belt comprising a broad base portion of a heavy-duty canvas, the said base portion being adapted to be secured by tying means to the operation table or the patient's bed, as the case may be, the base portion having equidistant from its ends two wide cross-bands stitched only along the edges of the base portion leaving an open passage between each of the cross-bands and the base portion, each cross-band having stitched to its middle a sub-strap of plain or elastic canvas disposed parallel to the base portion and adapted to go round the limb of the patient and under the aforesaid passage, each sub-strap being adapted to be secured to it self by means of a pair of mutually detachable fasteners.

Comp. Specn. 5 Pages.

Drg. 1 Sheet.

CLASS : 24E.

149479.

Int. Cl. B60t 13/42.

A BRAKE SERVO BOOSTER ASSEMBLY.

*Applicant* : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

*Inventor* : DAVID JONES.

Application No. 192/Mas/79 filed October 29, 1979.

Convention date 2-11-1978 (No. 42909/78 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

4 Claims.

A brake servo booster assembly for attachment to a mounting means of a vehicle, comprising a housing having

first and second housing parts having inner surfaces defining a chamber there between, control valve means for communicating the chamber alternately with vacuum and ambient air, an input member operatively coupled to said first housing part, and movable to operate said control valve means, said first housing part being movable relative to the said second housing part between an inoperative position and operative, brake-applying positions in response to operation of said control valve means and being connected to an output member, said first housing part having an outer surface on the side thereof remote from said chamber which is at all times exposed to ambient air, and wherein said second housing part has connecting means for rigidly attaching said second part to said mounting means, said connecting means including tie means comprising at least one force-transmitting tie bar which extends between said housing parts, said first housing part being slidably and sealingly mounted on said at least one tie bar, one end of said at least one tie bar having means for connection to a master cylinder housing the other end of said at least one tie bar having means for connection to said mounting means.

Comp. Specn. 8 Pages.

Drg. 1 Sheet.

CLASS : 136E.

149480.

Int. Cl. F16d 69/02.

PROCESS FOR PRODUCTION OF FRICTION ELEMENTS FOR VEHICLE BRAKE LININGS.

*Applicant* : SUNDARAM-ABEX LTD., 180, MOUNT ROAD, MADRAS-600006, TAMIL NADU.

*Inventor* : BENOY KRISHNA BANERJEE.

Application No. 210/MAS/79 filed November 19, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims. No drawing

A process for production of friction elements for vehicle brake linings from a dry mixture composed of known filters including asbestos fibre, a known organic thermosetting resin binder and known modifiers, comprising the step of pressing and evenly distributing the dry mix in preformed mould cavity without any application of heat; subjecting the preforms to heat and pressure thereby moulding the preforms directly to large slabs of required radius, thereafter transferring moulded slabs to a pre-heated oven maintained at a temperature of 200°C—220°C; stacking them in tiers within the oven and keeping them within the heated oven for at least 40—50 minutes; the slab temperature being kept above 200°C for not less than 10 minutes; thereafter transferring the slabs to cooling bins wherein the slabs are held vertically one upon another in close contact to each other thereby allowing the slabs to be in the bins at least at a temperature of 100°C above room temperature for a period of not less than two hours and the radiused slabs thereafter cut to required width and finished in known manner.

Comp. Specn. 11 Pages.

CLASS : 57D & 157D.

149481.

Int. Cl. B611 29/20.

AN IMPROVED RAILWAY GATE.

*Applicant & Inventor* : APPAN PARAMBATH ABOOBACKER, A. P. WATCH WORKS, KOTACHERY, KANHANGAD-670 315, KERALA.

Application No. 13/Mas/80 filed January 18, 1980.

Complete specification left September 25, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

17 Claims.

An improved railway gate comprising a drive means for transforming the kinetic energy of the wheels of a running train into reciprocatory motion, a converting means for translating said reciprocatory motion into rotary motion which by means of a primary connecting member causes said

railway gate to be opened or closed; said drive means consisting of a first base member having a resilient means to absorb the shock of the passing train, a second member fixed to said base member and a pretensioned third member slidably disposed within said second member, said third member having a humped section which slides back and forth when struck by the edges of the passing train wheels ensuring transformation of the kinetic energy of the train wheels into reciprocatory motion, the extent of sliding movement of said pretensioned slidable third member being restricted by an arresting means.

Prov. 4 Pages. Comp. 12 Pages. Drgs. 4 Sheets).

(each of size 33.00 cms. × 41.00 cms.)

CLASS : 32F<sub>1</sub>, 32F<sub>2</sub>x(b), 55D.

149482.

Int. Cl. C07d 51/00.

"A PROCESS FOR PREPARING 2-(or 4-)-AMINO-5-ALKYLTHIO-PYRIMIDINES HERBICIDES."

Applicants : PRODUITS CHIMIQUES UGINE KUHL-MANN, A FRENCH COMPANY, OF 25 BOULEVARD DE L'AMIRAL BRUX, 75116 PARIS, FRANCE.

Inventors : DANIEL BAIDE AND GERARD BOUTEMY.  
Application No. 794/Del/80 filed November 05, 1980.

Division of Patent Application No. 632/Del/78 dated August 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Delhi Branch.

3 Claims.

A process for the preparation of 2-(or 4-)-amino-5-alkylthio-pyrimidine herbicides of the formula I shown in the accompanying drawings in which R<sub>1</sub> is an alkyl group having 1 to 5 carbon atoms, X<sub>1</sub> is a chlorine or bromine atom, X<sub>2</sub> is a NH<sub>2</sub> group and X<sub>3</sub> is a radical of the formula shown in Fig. 1 wherein R and R<sub>2</sub> are identical alkyl groups R' having 1 to 5 carbon atoms, which comprises reacting a 2, 4, 6-trihalo-5-alkylthio-pyrimidine of the formula II in which X is a chlorine or bromine atom and R<sub>1</sub> is as defined above with a tertiary amine of the formula VIII wherein R' has the meanings given above and condensing the 4, 6-dihalo-5-alkylthiopyrimidine thus obtained with ammonia.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

Fig. 1

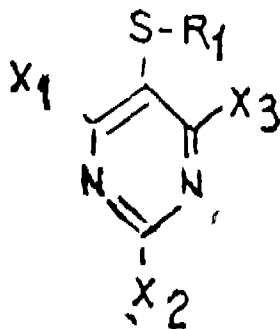


Fig. 2

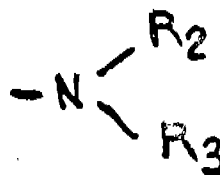
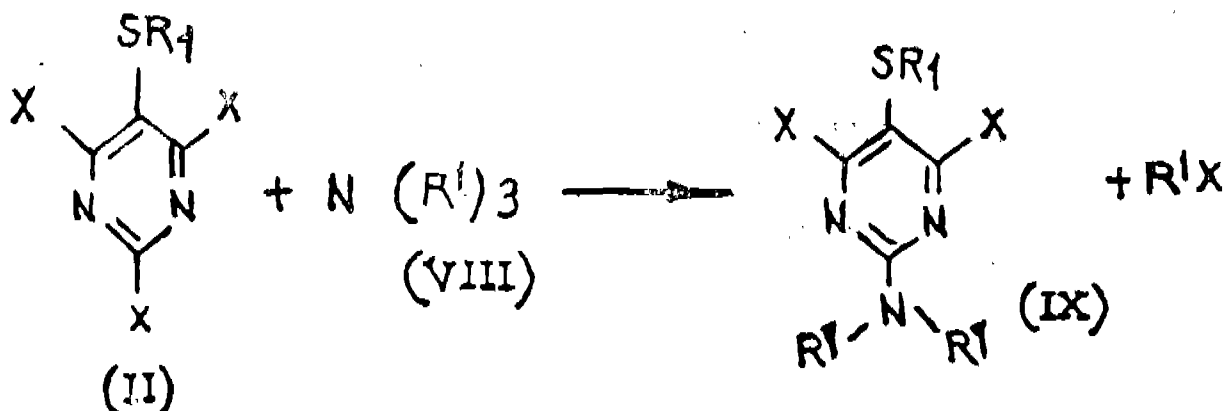


Diagram 1



# OPPOSITION PROCEEDINGS

(1)

The Opposition entered by Council of Scientific and Industrial Research to the grant of a patent on application No. 140871 made by Mitsui Totsu Chemicals Incorporated as notified in Part III, Section 2 of the Gazette of India dated the 23rd July, 1977 has been dismissed.

(2)

An opposition has been entered by Chandrakant Maganlal Shah to the grant of a patent on application No. 148675 made by Sudhir Digambar Modak.

(3)

An opposition has been entered by The Christine Hoden (India) Private Limited to the grant of a patent on application No. 148710 made by Personal Products Company.

(4)

An oppositoin has been entered by Wimco Limited to the grant of a patent on application No. 148822 made by Daven-dra Nath Bhel.

## PATENTS SEALED

135321 146709 146800 146839 147150 147165 147218 147312  
147404 147450 147564 147990 148098 148104 148109 148260  
148290 148436 148441 148451 148557 148560 148561 148562  
148563 148565 148569 148570 148579 148582

REGISTRATION OF ASSIGNMENTS, LICENCES ETC.  
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

111191. M/s. Vossloh-Werke GMBH.

126671. } M/s. Warman International Limited.  
135791. }

PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
142583 (31-03-76)	Method for preparing 17 $\alpha$ -ester-21-halo pregnanes.
143324 (07-04-76)	Improvements in or relating to prepara-tion of inhibitive pigments.
143325 (22-11-75)	Process for preparing novel silicon crystals.
143332 (11-02-76)	Improvements in or relating to a process for production of decolourising type active carbon from soft wood saw dust, groundnut shell or the like.
143333 (11-02-76)	Improvements in or relating to a process for production of gas or vapour adsorption type active carbon pellets and/or catalyst support from saw dust coconut shell dust or the like.
143334 (19-11-75)	Process for extraction of nickel and cobalt values from lateritic and limonitic nickel ferrous ores.
143423 (01-05-74)	Hydrometallurgical process for recovering copper from sulfide concentrates.

## RENEWAL FEES PAID

107314 108074 108086 108182 108253 108338 108611 108641  
108901 109117 109338 109386 111897 111958 113098 113099  
113100 113329 113363 113378 113398 113402 113492 113497  
113498 113541 113568 113602 113774 113822 113830 113992  
116942 118528 118637 118663 118724 118820 118833 118877  
118946 119023 119048 119056 119167 120327 120998 121648  
122568 122693 123882 124042 124056 124115 124139 124291  
124292 124377 124454 124560 124626 124659 124675 124676  
125641 127559 129410 129429 129474 129494 129495 129600  
129612 129618 129643 129653 129686 129697 129709 129712  
129834 130072 130309 131326 133244 133329 133635 133673  
133741 133742 133774 133818 133819 133840 133861 133912  
133940 133972 133974 133975 134013 134041 134079 134107  
134130 134147 134151 134152 134385 134386 134567 135201  
135355 136012 136059 136129 136398 136581 136630 136901

137091 137245 137289 137290 137294 137508 137602 137870  
137891 138095 138220 138221 138548 138862 138883 138884  
138885 139626 139647 139654 139812 140029 140094 140107  
140115 140203 140268 140379 140401 140402 140473 140659  
140683 140738 140758 140896 140897 140931 141013 141183  
141267 141329 141403 141420 141524 141676 141738 141874  
141905 142216 142249 142275 142404 142460 142461 142475  
142514 142517 142583 142639 142754 142818 142831 142944  
143022 143097 143505 143584 143585 143657 143660 143675  
143760 143790 143843 144044 144070 144075 144109 144123  
144339 144365 144631 144940 145020 145173 145230 145302  
145370 145543 145580 145607 145613 145796 145898 145952  
145981 146138 146192 146196 146221 146325 146359 146378  
146403 146470 146498 146585 146638 146644 146748 146754  
146967 147038 147072 147119 147122 147172 147262 147291  
147337 147571 147658 147759 147760 147788 147842 147863  
147900 147913 148074 148275 148276 148370 148374

## CESSATION OF PATENTS

102161 102198 102208 102209 102216 102228 102229 102238  
102249 102265 102267 102284 102293 102303 102306 102319  
102324 102351 102353 102368 102380 102392 102421 102424  
102432 102437 102438 102448 102452 102463 102469 102470  
102483 102489 102528 102534 102537 102540 102557 102566  
102571 102601 102620 102624 102645 102659 110936

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 112934 granted to Benjamin Paul Mathias for an invention relating to "improvements in or relating to grind-ing machines".

The patent ceased on the 26th October, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, 1981. Any interested person may give notice of opposition to the restora-tion by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February 1982 under Rule 69 of the Patents Rules, 1972. A written state-ment in triplicate setting out the nature of the Opponents' interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 113807 dated the 27th December 1967 made by Ernst Jacobi & Co. KG. on the 13th October 1980 and notified in the Gazette of India, Part III, Section 2 dated the 28th March, 1981 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 118033 granted to Council of Scientific & Indus-trial Research for an invention relating to "a new process for the production of domestic fuel from coal".

The patent ceased on the 10th October, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, 1981. Any interested person may give notice of opposition to the restora-tion by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office 214, Acharya Jaga-dish Bose Road, Calcutta-17 on or before the 19th February 1982 under Rule 69 of the Patents Rules, 1972. A written

statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application for restoration of Patent No. 121648 dated the 28th January, 1969 made by Katsuragawa Denki Kabushiki Kaisha on the 30th January, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 14th June, 1980 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 124847 dated the 14th January, 1970 made by Maria Doanides (widow one of the heirs of the deceased patentee) on the 14th January, 1976 and notified in the Gazette of India, Part-III, Section 2 dated the 28th June, 1980 has been allowed and the said patent restored.

(6)

Notice is hereby given that an application for restoration of Patent No. 127581 dated the 17th July, 1970 made by Hiroyoshi Tatsumo on the 26th June, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 20th October, 1979 has been allowed and the said patent restored.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135918 granted to Eli Lilly and Company for an invention relating to "electronic system and method for capsule inspection".

The patent ceased on the 13th September 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February, 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 136836 granted to Eli Lilly and Company for an invention relating to "optical system for capsule inspection".

The patent ceased on the 22nd September 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India Part III, Section 2 dated the 26th September, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137389 granted to Council of Scientific & Industrial Research for an invention relating to "improvements in or relating to black chrome plating".

The patent ceased on the 31st July 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 139954 granted to Heavy Engineering Corporation Ltd. for an invention relating to "coal charging car".

The patent ceased on the 24th August 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February, 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(11)

Notice is hereby given that an application for restoration of Patent No. 141086 dated the 5th June, 1975 made by Graphite India Limited on the 2nd September, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 2nd May, 1981 has been allowed and the said patent restored.

(12)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 141827 granted to Eli Lilly & Company for an invention relating to "process for preparing N-alkyldiphenylamines".

The patent ceased on the 12th August, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February, 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(13)

Notice is hereby given that an application for restoration of Patent No. 145006 dated the 15th July, 1976 made by Seenappa Govindappa on the 3rd November, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 25th April, 1981 has been allowed and the said patent restored.

(14)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142337 granted to Eli Lilly and Company for an invention relating to "Process for the preparation of 4-nitro-2-trifluoromethyldiphenylamines".

The patent ceased on the 12th August 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th October, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(15)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142650 granted to Council of Scientific & Industrial Research for an invention relating to "pencil type coating thickness gauge".

The patent ceased on the 3rd September 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th July, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(16)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142900 granted to Venmac India for an invention relating to "an automatic vending machine, such as for dispensing beverages in disposable cups".

The patent ceased on the 24th November, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(17)

Notice is hereby given that an application for restoration of Patent No. 145008 dated the 3rd August, 1976 made by Seenappa Govindappa on the 3rd November, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 25th April, 1981 has been allowed and the said patent restored.

(18)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 145073 granted to Eli Lilly & Co., for an invention relating to "a method of preparing rodenticidal N-alkyl-diphenylamines".

The patent ceased on the 12th August 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 23rd May, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February, 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest the facts upon which he bases his cases and the relief

he seeks, shall be filed with the notice or within one month from the date of the notice.

(19)

Notice is hereby given that an application for restoration of Patent No. 146072 dated the 30th June, 1977 made by Instruments and Components on the 10th October, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 2nd May, 1981 has been allowed and the said patent restored.

(20)

Notice is hereby given that an application for restoration of Patent No. 146073 dated the 30th June, 1977 made by Instruments and Components on the 10th October, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 2nd May, 1981 has been allowed and the said patent restored.

(21)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147373 granted to Jyoti Limited for an invention relating to "improvements in the means for targetting and focusing of beams such as laser beams".

The patent ceased on the 3rd June 1981 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, 1981.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th February, 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 150502. Sunshine Engineering Works, Village, Chaswal, Post Office : Bhadson, District : Patiala (Punjab), a registered partnership firm. "Mini Combine Harvester". March 5, 1981.

Class 1. No. 150685. S. Feroz Uddin proprietor of Qamar Enterprises of 7074 Gali Jaman Wali, Beri Wala Bagh, Pul Bangash, Delhi-110006, "(Toy Cash Box)". April 18, 1981.

Class 1. No. 150790. Manohar Tin Toys Industries of 3130-Gali Jamadar, Bahadurgarh, Road, Delhi-110006, India. "Toy Bus". May 21, 1981.

Class 1. No. 150808. Taj Traders of 1507/8, Sarai Khalil, Dadar Bazar, Delhi-110006, a partnership firm. "Stove". May 25, 1981.

Class 3. No. 150258. Roop Chand & Co. of 113-E, Kamla Nagar, Delhi-110007, a partnership firm. "Pocket Torch". December, 31, 1980.

Class 3. No. 150329. Calcutta Button Agency of 33, Pementle Street, Calcutta-16, West Bengal. "Mirror Frames". January 28, 1981.

Class 3. No. 150330. Calcutta Button Agency of 33, Pementle Street, Calcutta-16, West Bengal, "Mirror Frames". January 28, 1981.

Class 3. No. 150809. Pravin Amrutlal Sinroja, Indian National of 5, Dattani Shopping Centre, Vasanji Lalji Road, Kandvili (West), Bombay-400067, Maharashtra, India. "Frame". May 25, 1981.

Class 3. No. 150838. Twinkle Products of Asit Apartments, Block No. B/2, Kanw Road, Bandstand, Bandra, Bombay-400050, Maharashtra, Indian partnership firm. "Water Bottle". June 2, 1981.

Class 4 No. 150346. Bernard India Pvt. Ltd. of 702, Meghdoot, 94, Nehru Place, New Delhi-110019, India, an Indian Company. 'Bottle'. January 29, 1981.

Class 4. No. 150347. Bernard India Pvt. Ltd. of 702, Meghdoot, 94, Nehru Place, New Delhi-110019, India, an Indian Company. 'Bottle'. January 29, 1981.

S. VEDARAMAN  
Controller General of Patents,  
Designs and Trade Marks

